

VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM

Software Release
7.9

PrISMS Contract

08/31/00



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 7.9**

Prepared by

	<u>08/31/00</u>
Desiree Gaiser	Date
Technical Lead	

Reviewed by

	<u>08/31/00</u>
Desiree Gaiser	Date
Agencywide IRM, HR	

	<u>08/31/00</u>
Jim Cofer	Date
Configuration Management	

	<u>08/31/00</u>
Hector Garcia	Date
Agencywide IRM	

	<u>08/31/00</u>
Richard Bishop	Date
DBA	

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

August 31, 2000

**VERSION DESCRIPTION DOCUMENT
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NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 7.9**

Approved by

	08/31/00
_____ Sheila Fogle Consolidation Center Project Manager	Date

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

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TABLE OF CONTENTS

Section	Page
1. INTRODUCTION.....	1 - 1
1.1 IDENTIFICATION OF THE RELEASE	1 - 1
1.2 PURPOSE OF THE RELEASE	1 - 1
1.3 SCOPE OF THE RELEASE	1 - 1
1.4 CONTACT POINTS	1 - 2
2. FUNCTIONAL INFORMATION	2 - 1
2.1 FUNCTIONAL CHANGES	2 - 1
2.2 FUNCTIONAL INTERFACES	2 - 1
2.3 CRITICAL ISSUES	2 - 1
2.4 AFFECTED DOCUMENTS.....	2 - 1
2.5 APPLICATION SYSTEM ADMINISTRATION.....	2 - 1
3. TECHNICAL INFORMATION.....	3 - 1
3.1 TECHNICAL SYSTEM INTERFACES	3 - 1
3.2 DATA DICTIONARY CHANGES	3 - 1
3.3 SOFTWARE OBJECT CHANGES	3 - 3
3.4 DATABASE ADMINISTRATION.....	3 - 4
3.4.1 RELEASE DATASET NAMES	3 - 4
3.4.2 INVENTORY OF OBJECTS	3 - 4
3.4.3 STORAGE CONSIDERATIONS	3 - 4
3.4.4 INSTALLATION PROCEDURES	3 - 4
3.5 OPERATIONAL PREPARATION	3 - 4

APPENDICES

Appendix		Page
A	ABBREVIATIONS AND ACRONYMS	A - 1
B	GLOSSARY	B - 1
C	FUNCTIONAL CHANGE VALIDATION PROCEDURES	C - 1
D	INSTALLATION INSTRUCTIONS.....	D - 1

1. INTRODUCTION

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

1.1 IDENTIFICATION OF THE RELEASE

System Name – NPPS

Release Number – Software Release 7.9

Release Effective Date – October 11, 2000

The release datasets will be made available to the support DBA for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

1.3 SCOPE OF THE RELEASE

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 7.9, including the following:

- Changes implemented since the last release
- References to other documents affected by this release
- Changes to application files and data formats
- Detailed software installation procedures
- Validation procedures to ensure the reliability of the software changes.

1.4 CONTACT POINTS

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

Telephone: (256) 544-6673

E-Mail: desiree.gaiser@msfc.nasa.gov

FAX: (256) 544-8452

2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all PREDICT changes related to this release.

2.2 FUNCTIONAL INTERFACES

Not Applicable

2.3 CRITICAL ISSUES

Not Applicable

2.4 AFFECTED DOCUMENTS

The following document will be affected by this release:

NPPS System/Software Requirements Specification (SRS)
NPPS-UOG-10, NPPS User and Operations Guide (UOG)

The modified pages of these documents will be distributed under separate cover.

2.5 APPLICATION SYSTEM ADMINISTRATION

Not Applicable

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

3.1 TECHNICAL SYSTEM INTERFACES

Not Applicable

3.2 DATA DICTIONARY CHANGES

The following fields have changes to their data dictionary descriptions noting that the fields are not longer used:

1. AWARD: GROUP IDENTIFIER (NPS2-PER-MASTER.PER-AWDGRP)
2. AWARD: BENEFIT AMOUNT (NPS2-PER-MASTER.PER-AWDBEN)
3. AWARD: GROUP IDENTIFIER OLD (NPS2-PER-HISTORY.OLD-AWDGRP)
4. AWARD: GROUP IDENTIFIER NEW (NPS2-PER-HISTORY.NEW-AWDGRP)
5. AWARD: GROUP IDENTIFIER NEW (NPS2-PERHIST-AUDIT.CHG-AWDGRP)
6. AWARD: BENEFIT AMOUNT OLD (NPS2-PER-HISTORY.OLD-AWDBEN)
7. AWARD: BENEFIT AMOUNT NEW (NPS2-PER-HISTORY.NEW-AWDBEN)
8. AWARD: BENEFIT AMOUNT NEW (NPS2-PERHIST-AUDIT.CHG-AWDBEN)

The following fields are new and have had data dictionary descriptions added:

1. EMPL FEHB TAX EX WVR IND (NPS2-PAY-MASTER.EMPL-FEHB-TAX-EX-WVR-IND)
2. EMPL FEHB TAX EX ADJ IND (NPS2-PAY-MASTER.EMPL-FEHB-TAX-EX-ADJ-IND)
3. EMPL FEHB TAX EX FED CURR AMT(NPS2-PAY-MASTER.PAY-CUR-DOL(68))
4. EMPL FEHB TAX EX ST CURR AMT(NPS2-PAY-MASTER.PAY-CUR-DOL(69))
5. EMPL FEHB TAX EX CT CURR AMT(NPS2-PAY-MASTER.PAY-CUR-DOL(70))
6. EMPL FEHB TAX EX FED YTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(77))
7. EMPL FEHB TAX EX FED QTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(78))
8. EMPL FEHB TAX EX ST YTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(79))
9. EMPL FEHB TAX EX ST QTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(80))

- 10.EMPL FEHB TAX EX ST MTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(81))
- 11.EMPL FEHB TAX EX CT YTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(82))
- 12.EMPL FEHB TAX EX CT QTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(83))
- 13.EMPL FEHB TAX EX CT MTD AMT(NPS2-PAY-MASTER.PAY-YTD-ARRAY-AMTS(84))
- 14.EMPL FEHB TAX EXCUSED ARRAY(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-AMTS)
- 15.EMPL FEHB EX FST YTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FST-YTD-AMT(1:3))
- 16.EMPL FEHB EX FST QTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FST-QTD-AMT(1:3))
- 17.EMPL FEHB EX FST MTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FST-MTD-AMT(1:3))
- 18.EMPL FEHB EX FCT YTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FCT-YTD-AMT(1:3))
- 19.EMPL FEHB EX FCT QTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FCT-QTD-AMT(1:3))
- 20.EMPL FEHB EX FCT MTD AMT(NPS2-ADDRESS-FILE.EMPL-FEHB-EX-FCT-MTD-AMT(1:3))
- 21.EMPL HIST FEHB TAX EX WVR IND(NPS2-PAYHIST-ONE.EMPL-FEHB-TAX-EX-WVR-IND)
- 22.EMPL HIST FEHB TAX EX ADJ IND(NPS2-PAYHIST-ONE.EMPL-FEHB-TAX-EX-ADJ-IND)
- 23.EMPL FEHB TAX EX FED CHST AMT(NPS2-PAYHIST-ONE.EMPL-FEHB-TAX-EX-FED-CURR-AMT)
- 24.EMPL FEHB TAX EX ST CHST AMT(NPS2-PAYHIST-ONE.EMPL-FEHB-TAX-EX-ST-CURR-AMT)
- 25.EMPL FEHB TAX EX CT CHST AMT(NPS2-PAYHIST-ONE.EMPL-FEHB-TAX-EX-CT-CURR-AMT)
- 26.EMPL FEHB TAX EX FED YTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-FED-YTD-AMT)
- 27.EMPL FEHB TAX EX FED QTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-FED-QTD-AMT)
- 28.EMPL FEHB TAX EX ST YTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-ST-YTD-AMT)
- 29.EMPL FEHB TAX EX ST QTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-ST-QTD-AMT)
- 30.EMPL FEHB TAX EX ST MTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-ST-MTD-AMT)
- 31.EMPL FEHB TAX EX CT YTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-CT-YTD-AMT)
- 32.EMPL FEHB TAX EX CT QTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-CT-QTD-AMT)

- 33.EMPL FEHB TAX EX CT MTD AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-TAX-EX-CT-MTD-AMT)
- 34.EMPL FEHB EX FST YTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-YTD-DED1-AMT)
- 35.EMPL FEHB EX FST QTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-QTD-DED1-AMT)
- 36.EMPL FEHB EX FST MTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-MTD-DED1-AMT)
- 37.EMPL FEHB EX FCT YTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-YTD-DED1-AMT)
- 38.EMPL FEHB EX FCT QTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-QTD-DED1-AMT)
- 39.EMPL FEHB EX FCT MTD DED1 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-MTD-DED1-AMT)
- 40.EMPL FEHB EX FST YTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-YTD-DED2-AMT)
- 41.EMPL FEHB EX FST QTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-QTD-DED2-AMT)
- 42.EMPL FEHB EX FST MTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-MTD-DED2-AMT)
- 43.EMPL FEHB EX FCT YTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-YTD-DED2-AMT)
- 44.EMPL FEHB EX FCT QTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-QTD-DED2-AMT)
- 45.EMPL FEHB EX FCT MTD DED2 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-MTD-DED2-AMT)
- 46.EMPL FEHB EX FST YTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-YTD-DED3-AMT)
- 47.EMPL FEHB EX FST QTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-QTD-DED3-AMT)
- 48.EMPL FEHB EX FST MTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FST-MTD-DED3-AMT)
- 49.EMPL FEHB EX FCT YTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-YTD-DED3-AMT)
- 50.EMPL FEHB EX FCT QTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-QTD-DED3-AMT)
- 51.EMPL FEHB EX FCT MTD DED3 AMT(NPS2-PAYHIST-TWO.EMPL-FEHB-EX-FCT-MTD-DED3-AMT)

3.3 SOFTWARE OBJECT CHANGES

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

3. 4 DATABASE ADMINISTRATION

The specific database administration activities for NPPS 7.9 are detailed in Appendix D, Installation Instructions.

3. 4.1 Release Dataset Names

The datasets for Software Release 7.9 are included in the Introduction of Appendix D, Installation Instructions.

3. 4.2 Inventory of Objects

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

3. 4.3 Storage Considerations

Not Applicable

3. 4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

3. 5 OPERATIONAL PREPARATION

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

APPENDIX A

ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
CPO	Consolidated Payroll Office
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
GDG	Generation Data Group
HR	Human Resources
IRM	Information Resources Management
JCL	Job Control Language
L&E	Leave and Earnings Statement
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NOAC	Nature Of Action Code
NPPS	NASA Personnel/Payroll System
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SRS	System/Software Requirements Specification
UOG	User Operations Guide
VDD	Version Description Document

APPENDIX B

GLOSSARY

GLOSSARY

Consolidation Center

Responsibility for processing and balancing payroll for all centers in the consolidated database.

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

VALIDATION PROCEDURES SOFTWARE RELEASE 7.9 PERSONNEL & PAYROLL

1. 99000107

- A. **Purpose:** Modify the ADDR screen so that an “Address Change” for an employee who is not participating (TSP Status Code = “I” or blank) in the TSP will appear on neither Report 314 nor the TSP tape.
- B. **Test Procedure:**
- 1) Select a test employee who is “not participating” in the Thrift Savings Plan. Such an employee will have a TSP Status Code of “I” (Ineligible) or blank.
 - 2) Process a “Mail Address Change” via screen ADDR for the selected employee.
 - 3) Schedule and run TSP Tape Creation (job NA314TP) via BJS.
 - 4) Print Report 314, using appropriate local procedure.
- C. **Validation:**
- 1) Verify (via TSP screen) the Address Change does not set TSP Sep Flag to “1”.
 - 2) Verify the test employee does not appear on Report 314.

2. 20000007 / 20000039

- A. **Purpose:** To meet new OPM requirements for award processing.
- 1) (20000007) Replace all processing for existing “award” NOACs 872, 873, 874, 875, 876, and 877 with processing for new “award” NOACs 840, 841, 842, 843, and 844.
 - 2) (20000039) Add appropriate processing for the new Travel Savings Incentive, NOAC 845.
 - 3) For the new award NOACs, delete the requirement for Legal Authority, Award Benefit Amount and Award Group.
 - 4) Add some new (and redefine other) Award Types.

The following table summarizes these functional changes.

NOAC	AWD TYPE	BASIS	LEVEL	FORM
840	A, F or	Contribution (e.g., superior accomplishment or other personal effort) or performance	Individual	Cash

	P	rating		
841	E, B, Or G	Contribution (e.g., superior accomplishment or other personal effort) or performance rating	Group	Cash
842	T	Suggestion or Invention	Individual	Cash
843	U	Suggestion or Invention	Group	Cash
844	N/A	Foreign Language	Individual	Cash
845	R	Travel Savings Incentive	Individual	Cash
846	K	Contribution (e.g., superior accomplishment or other personal effort) or performance rating	Individual	Time Off
847	L	Contribution (e.g., superior accomplishment or other personal effort) or performance rating	Group	Time Off

B. Test Procedure:

- 1) Select test employees to be recipients of awards.
- 2) Suspend the new award NOACs for selected test employees, using both PERACT and MAWARD.
- 3) Mature the new award NOACs.
- 4) Schedule and run appropriate batch processes/reports through BJS.

C. Validation:

- 1) Verify the matured new award NOACs update Personnel History.
- 2) Verify the matured new award NOACs are passed to Payroll (QAWARD and MASSAWD).
- 3) Verify Payroll runs accurately to completion.
- 4) Verify Reports reflect appropriate data

3. 20000025

A. **Purpose:** To correct the calculation of Federal Tax Withheld when processing “on-the-spot” awards through new NOACs 840 and 841.

B. **Test Procedure:**

- 1) Select test employees to be recipients of “on-the-spot” awards.
- 2) Suspend award NOAC 840 (or 841), entering a “gross” award amount.
- 3) Suspend award NOAC 840 (or 841), entering a “net” award amount and the F9 key to calculate the “gross” award amount.
- 4) Mature the two suspended awards.
- 5) Check the Federal Income Tax deduction for the two awards, using screens QAWARD and MASSAWD.

C. **Validation:**

Verify the Federal Income Tax Withheld equals 28% of the “gross” award amount in each of the test awards

4. 20000029

A. **Purpose:** To add the capability to allow an employee to have group health deductions from pre-taxed dollars.

B. **Test Procedure:**

Two Payroll cycles need to be run in this test procedure. Set CTLPAY for pay period 24 to begin the first pay cycle. Run Job 6 to initialize and then run Job 9 to reset normals for employees.

- 1) Hire 2 new employees, one a full-time employee and the 2nd who is a part-time who pays full FEHB.
- 2) Mature the actions and process thru the add chain in payroll, being sure to set the TEW (Tax Exempt Waiver) on the FTAX screen.
- 3) Enter data on necessary screens during the add chain.

- 4) Select employees for testing and make changes on the following screens: COLA—give employee a percentage for COLA
TSP—ensure test employee has a percentage or an amount on TSP screen
FORMSTX AND FORMCTX—ensure some employees have data on these screens. New fields on these screens.
Enter data on FTAX screen (new field) FEHB TEW, equals Y or blank. Enter data for state tax to be withheld.
- 5) Submit transaction report (Report 201)
- 6) Submit JOB CA0003, selecting test Center
- 7) Ensure all test employees have a good time T&A, check QNORM and QREG
- 8) Submit JOB CA0004-Payroll Products
- 9) Submit JOB CA0005-Final Pay Reports
- 10) Submit JOB CA0006-Initialization
- 11) Submit JOB CA0009-Normals Recalculation
- 12) Process payroll changes for the 2nd pay cycle
- 13) State tax changes, city tax, insurance adjustments for select employees
- 14) Run Transaction Report 201
- 15) Process another pay cycle and mention above with the exception of the following
- 16) After CA0005, run the following reports and processes: Job CA00023, NA00418, NA00419, CA00200 (for test employees), NA00423 (for test employees), NA000022, SSA tape, CA00020, CA00006, CA00009
- 17) Go to QHISTPP1 and view test employees

C. Validation:

- 1) Verify that QNORM and QREG are in agreement for employees who have TEW set to "Y".
- 2) Verify that QNORM and QREG are not in agreement for employees who have TEW set to "Blank"
- 3) Verify that wages, taxable wages and deductions flow to FORMSTX AND FORMCTX for employees who have changes made to state and/or city taxes
- 4) Verify that INSADJ made with "X" in the indicator have insadj pretaxed
- 5) Verify that INSADJ made with Blank in the indicator do not have pretaxed dollars for insurance adjustment amounts
- 6) Verify from QREG that employees with TEW Y do not have reduced wages for federal, state, fica, hit, city deductions but that employees with TEW=Blank do have less taxable income for these deductions.
- 7) Verify that Report 408 displays the amount for the TAX EXEMPT FEHB
- 8) Verify that Report 418 and 419 reflect the correct taxable wages for federal, state, fica, hit, and city taxes.
- 9) Verify that Report 423 shows the correct TEW by pay period for test employees.
- 10) Verify that Report 200 shows the TEW for employees
- 11) Verify that QHISTPP1 shows the correct TEW indicator for each pay period being viewed.

5. 20000032

A. **Purpose:** To modify format of Effective Date on the TSP 314 tape. This change was included in previous Release 7.6.1.

B. Test Procedure:

- 1) Select test employees who are participating in the TSP.
- 2) Process TSP Adjustment types 11, 21, and 41 for the test employees.
- 3) Schedule and run TSP Tape Creation (job NA314TP) via BJS.
- 4) Print Report 314 using the appropriate local procedure.

C. Validation:

Verify the format of the Effective Date is *yymmdd* and matches the TSP Effective Date on screen CTLPAY.

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 7.9
AUGUST 2000**

The purpose of this release is to implement the changes allocated to software release 7.9 described below.

SOFTWARE RELEASE 7.9

RC 1620s IMPLEMENTED

20000007	New Award NOAC Codes
20000025	Federal Tax on New Award NOACs 840 and 841
20000029	FEHB Premium Conversion
20000039	New Award NOAC for Travel Savings Incentive (845)

******* RECORD COUNT = 04**

DR 1620s IMPLEMENTED

99000107	TSP Sep Flag Correction
20000032	Invalid TSP Effective Date Format

******* RECORD COUNT = 02**

APPENDIX D

INSTALLATION INSTRUCTIONS

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 7.9
AUGUST 2000**

Introduction

Release Date – August 31, 2000

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.NPPS.PROD.R790.R0800.SRC
- MSMOV.NPPS.PROD.R790.R0800.GLS
- xxMOV.NPPS.PROD.R790.R0800.DOC
- xxMOV.NPPS.PROD.R790.R0800.PRD

Where “xx” is replaced by the appropriate NASA Center designation.

AR – ARC
DF – DFRC
GS – GSFC
HQ – HQ
J5 – JSC
LA – LaRC
LE – GRC (Glenn)
KS – KSC
MS – MSFC
SS – SSC

Physical media:
VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPPS):

Telephone: (256) 544-6673
E-Mail: desiree.gaiser@msfc.nasa.gov
Fax: (256) 544-8452

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions
- 10.0 Installation Checklist

1.0 BACKUP EXISTING DATA

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

2.0 COPY SOURCE/OBJECT CODE

2.1 Copy Source Modules

When installing software release 7.9, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R790.R0800.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	10
Maps	19
Help routines	1
Subroutines	10
Subprograms	10
Programs	81
Copycode	3
Text	0
Process	0
Miscellaneous Objects	0

```

=====
Total Programming Objects  134
Total Views Unloaded      0
Total Objects Read        134
Total Object Unloaded     134

```

2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 7.9.

Programs	Description of programs
=====	=====
LDA6160A	NPS2-PAY-MASTER Local
LDA6160B	NPS2-PAYHIST-ONE Local
NAB200B	Mer Report
NAB314EX	TSP Extract
NAB408	State, County, City Tax W/H Report
NAB408A	State, County, City Tax W/H Report
NAB408B	State, County, City Tax W/H Report
NAB408C	State, County, City Tax W/H Report
NAB408D	State, County, City Tax W/H Report
NAB418	Process W-2 Forms
NAB419	Checkout Report for W-2 Tax Forms
NAB423	Pay History Report
NAB6040	SSA Tape and Report
NAB6050	End of Year Update
NAB6060	Pay Period Initialization
NAB6080	Normals Recalculation
NAB6080B	Normals Recalculation
NAB6080C	Normals Recalculation
NAB6160	Pay History File Update
NAB6161	Pay History File Update
NAB818	Source of Funds Report for Current Pay Period
NAB818B	Source of Funds Report for FTE YTD
NAF200B1	MER Report Layout
NAL3161B	NPS2-PAY-MASTER Local (Backout)
NAL6161A	Multiple File Local for History Update
NAM1241	FTAX Map
NAM1262	Insurance Adjustment Map
NAM1410	FORMSTX Map
NAM1420	FORMCTX Map
NAM1441	YTDDDED1 Map
NAM1441A	YTDDDED1 Map
NAM1441B	YTDDDED1 Map
NAM1441C	YTDDDED1 Map

NAM1441D	YTDDDED1 Map
NAM1591	QHIST1 Map
NAO1120	ADDR Screen
NAO1241	Federal and State Taxes (FTAX)
NAO1241B	Federal and State Taxes (FTAX)
NAO1242B	City and County Taxes (CTAX)
NAO1262	Employee Insurance Adjustments (INSADJ)
NAO1262B	Employee Insurance Adjustments (INSADJ)
NAO1410	MER Former State Taxes (FORMSTX)
NAO1420	MER Former City/County Taxes (FORMCTX)
NAO1441	YTD Deductions 1 (YTDDDED1)
NAO1441B	YTD Deductions 1 (YTDDDED1)
NAO1591	Pay Period History (QHIST1)
NAO3150A	T&A Net Pay
NAO3150B	T&A Net Pay
NAO3150C	T&A Net Pay
NAO3150D	T&A Net Pay
NAO3150F	T&A Net Pay
NAO3150G	T&A Net Pay
NAO3160B	T&A Backout
NAO3160C	T&A Backout
NAO9101	On-line Normals – FTAX
NAO9102	On-line Normals – FICA, HIT
NAO9106	On-line Normals – Life, Health, Union
NAO9120O	On-line Normals – St/City
NAO9120P	On-line Normals – St/City
NAO9120R	On-line Normals – St/City
NEB154B	Read Personnel File and Retrieve Active Employees
NEB154C	Retrieve Employee Service Data/Write Work
NEB154D	Read Pay File for Employees with Select Separation Dates
NEB9400	Provide SF52 Errors not Added to Suspense
NEB9710	Create CAPPS TX Interface File
NEB9720	Create CAPPS STS Interface File
NEC0001	Global Area Copycode
NEC0002	Global Area Copycode
NEC0003	Global Area Copycode
NEH1110A	PERACT Field Level Help
NELD000	NPS2-PERHIST-AUDIT
NEL0001	Local Data Area
NEL0002	Local Data Area
NEL0003	Local Data Area
NEMC000B	Personnel History Maintenance Screen
NEMD000B	PERHIST Audit Browse Screen
NEM1110L	Personnel Action Template L Screen
NEM1190L	SUSVIEW Screen
NEM1200A	Personnel Master Screen One

NEM1200T	Personnel Action Template M
NEM9070	Mass Award Screen
NEOB002	Display History NOAC
NEOC000	History Maintenance Main Menu
NEO1002	Global Variables Load Program
NEO1003	Global Update
NEO1110L	Personnel Action Template L
NEO1900A	PERACT Screen A Edits
NEO1900L	PERACT Screen L Edits
NEO1912	Relational Edit Module
NEO1914	Relational Edit Module
NEO1921	Relational Edit Module
NEO1954	Relational Edit Module
NEO1956	Relational Edit Module
NEO1961	Relational Edit Module
NEO3140	Award Processing
NEO3145	Time Off Award Processing
NEO3185B	History Audit Update
NEO3186	History Audit Update
NEO3187B	Correct History Records
NEO3190B	History Update
NEO3200	History Update
NEO3220	Online Mature Personnel Update Module
NEO3250	Personnel Master Update
NEO3270	Online Mature Transaction Store
NEO4030	SF50 Suspense Transaction Selection
NEO4040	SF50 To/From Print Fields
NEO4050	SF50 Print Fields
NEO4130	SF52 Suspense Transaction Selection
NEO4140	SF52 To/From Print Fields
NEO4150	SF52 Print Fields
NEO8000A	Global Update
NEO8001A	Application of Action
NEO8100A	Application of ACI to Suspense
NEO9070	Mass Awards Module
NEO9080	Mass Locality Adjustment
NPL310LA	NPS2-ADDRESS-FILE View
NPS606SA	Payroll Initialization
NSS1111	Retrieve PERACT Field Labels
NSS1900K	Get Pay Fields
NSS2000A	Initialize Global Master
NSS201GG	FORMSTX Screen Layout
NSS201H	FTAX Screen Layout
NSS201HH	FORMCTX Screen Layout
NSS201KK	YTDDED1 Screen Layout
NSS201P	INSADJ Screen Layout

NSS3250	Personnel Master Update (CAPPS Fields)
NSS6161	NPS2-PAYHIST-TWO Record Store
NSS9002	Mass Global Initialization
NSS9400	Load Global Data for PERACT-INT
NSS9401	Required Data for PERACT-INT
NSS9410	Personnel Actions Interface

RELEASE PROGRAMS (MOD) ==> 131

2.3 List of Source Code Additions

The following is a list of all modules that were created for the software release 7.9.

Programs	Description of programs
=====	=====
NAM1441E	YTDDDED1 Map
NLD9100S	Normals Health Local
NPS9101	Normals Health Subroutine

RELEASE PROGRAMS (NEW) ==> 03

2.4 List of Source Code Deletions

The following is a list of all modules that were deleted for the software release 7.9.

Programs	Description of programs
=====	=====
NEB371	Incentive Annual Awards
NEB371A	Incentive Annual Awards

RELEASE PROGRAMS (DEL) ==> 02

3.0 PRE-PREDICT DATA CONVERSION

Not Applicable

4.0 INSTALL PREDICT

4.1 Data Dictionary Changes

This release includes the enhancements for version 7.9.0. Details for changes in this release can be found under paragraph 4.1.3, Physical File Changes, or by performing Predict reporting on the keyword NPPS-7.9.0.

Use SYSDICBE to load the PREDICT modifications from the dataset
XXMOV.NPPS.PROD.R790.R0800.PRD.

The following NPPS Data Definition Modules (DDMs) should be generated after the PREDICT load is complete.

NPS2-ADDRESS-FILE
NPS2-PAY-MASTER
NPS2-PAY-PHYSICAL
NPS2-PAYHIST-ONE
NPS2-PAYHIST-TWO

It is not necessary to regenerate any of the DDMs for the NPS2-PER-MASTER, NPS2-PER-HISTORY, or NPS2-PERHIST-AUDIT file. The only modifications were to add documentation supporting the utility that populates the NPS2-DATA-GLOSSARY.

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

Predict Objects by Type:

Keyword	1
Standard Files	0
Conceptual Files	2
ADABAS Files and Views	21

4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for the file changes. Cut and paste the ADADBS control statements directly into the TSO ISPF editor. Call RICK BISHOP (256)544-5352 with any questions or problems.

Add the following fields:

NPS2-ADDRESS-FILE

File # 220

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
PE	1	EMPL-FEHB-EX-AMTS			3			AT	
	2	EMPL-FEHB-EX-FST-YTD-AMT	N	8.2				AU	N
	2	EMPL-FEHB-EX-FST-QTD-AMT	N	8.2				AV	N
	2	EMPL-FEHB-EX-FST-MTD-AMT	N	8.2				AW	N
	2	EMPL-FEHB-EX-FCT-YTD-AMT	N	8.2				AX	N
	2	EMPL-FEHB-EX-FCT-QTD-AMT	N	8.2				AY	N
	2	EMPL-FEHB-EX-FCT-MTD-AMT	N	8.2				AZ	N

Using the following commands:

```
ADADBS NEWFIELD FILE=220
ADADBS FNDEF='01,AT,PE'
ADADBS FNDEF='02,AU,10,U,NU'
ADADBS FNDEF='02,AV,10,U,NU'
ADADBS FNDEF='02,AW,10,U,NU'
ADADBS FNDEF='02,AX,10,U,NU'
ADADBS FNDEF='02,AY,10,U,NU'
ADADBS FNDEF='02,AZ,10,U,NU'
```

Add the following fields:

NPS2-PAY-PHYSICAL

File # 227

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	EMPL-FEHB-TAX-EX-WVR-IND	A	1.0				AO	N
	1	EMPL-FEHB-TAX-EX-ADJ-IND	A	1.0				AQ	N

Using the following commands:

```
ADADBS NEWFIELD FILE=227
ADADBS FNDEF='01,AO,1,A,NU'
ADADBS FNDEF='01,AQ,1,A,NU'
```

Add the following fields:

NPS2-PAYHIST-ONE

File # 225

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	EMPL-FEHB-TAX-EX-WVR-IND	A	1.0				MS	N
	1	EMPL-FEHB-TAX-EX-ADJ-IND	A	1.0				MT	N
	1	EMPL-FEHB-TAX-EX-FED-CURR-AMT	N	8.2				MU	N

1	EMPL-FEHB-TAX-EX-ST-CURR-AMT	N	8.2	MV	N
1	EMPL-FEHB-TAX-EX-CT-CURR-AMT	N	8.2	MW	N

Using the following commands:

```
ADADBS NEWFIELD FILE=225
ADADBS FNDEF='01,MS,1,A,NU'
ADADBS FNDEF='01,MT,1,A,NU'
ADADBS FNDEF='01,MU,10,U,NU'
ADADBS FNDEF='01,MV,10,U,NU'
ADADBS FNDEF='01,MW,10,U,NU'
```

Add the following fields:

NPS2-PAYHIST-TWO		File # 226							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*	-----	-----	*	*	--	*
1		EMPL-FEHB-TAX-EX-FED-YTD-AMT	N	8.2				RV	N
1		EMPL-FEHB-TAX-EX-FED-QTD-AMT	N	8.2				RW	N
1		EMPL-FEHB-TAX-EX-ST-YTD-AMT	N	8.2				RX	N
1		EMPL-FEHB-TAX-EX-ST-QTD-AMT	N	8.2				RY	N
1		EMPL-FEHB-TAX-EX-ST-MTD-AMT	N	8.2				RZ	N
1		EMPL-FEHB-TAX-EX-CT-YTD-AMT	N	8.2				SA	N
1		EMPL-FEHB-TAX-EX-CT-QTD-AMT	N	8.2				SB	N
1		EMPL-FEHB-TAX-EX-CT-MTD-AMT	N	8.2				SC	N
1		EMPL-FEHB-EX-FST-YTD-DED1-AMT	N	8.2				SD	N
1		EMPL-FEHB-EX-FST-QTD-DED1-AMT	N	8.2				SE	N
1		EMPL-FEHB-EX-FST-MTD-DED1-AMT	N	8.2				SF	N
1		EMPL-FEHB-EX-FCT-YTD-DED1-AMT	N	8.2				SG	N
1		EMPL-FEHB-EX-FCT-QTD-DED1-AMT	N	8.2				SH	N
1		EMPL-FEHB-EX-FCT-MTD-DED1-AMT	N	8.2				SI	N
1		EMPL-FEHB-EX-FST-YTD-DED2-AMT	N	8.2				SJ	N
1		EMPL-FEHB-EX-FST-QTD-DED2-AMT	N	8.2				SK	N
1		EMPL-FEHB-EX-FST-MTD-DED2-AMT	N	8.2				SL	N
1		EMPL-FEHB-EX-FCT-YTD-DED2-AMT	N	8.2				SM	N
1		EMPL-FEHB-EX-FCT-QTD-DED2-AMT	N	8.2				SN	N
1		EMPL-FEHB-EX-FCT-MTD-DED2-AMT	N	8.2				SO	N
1		EMPL-FEHB-EX-FST-YTD-DED3-AMT	N	8.2				SP	N
1		EMPL-FEHB-EX-FST-QTD-DED3-AMT	N	8.2				SQ	N
1		EMPL-FEHB-EX-FST-MTD-DED3-AMT	N	8.2				SR	N
1		EMPL-FEHB-EX-FCT-YTD-DED3-AMT	N	8.2				SS	N
1		EMPL-FEHB-EX-FCT-QTD-DED3-AMT	N	8.2				ST	N
1		EMPL-FEHB-EX-FCT-MTD-DED3-AMT	N	8.2				SU	N

Using the following commands:

```
ADADBS NEWFIELD FILE=226
ADADBS FNDEF='01,RV,10,U,NU'
ADADBS FNDEF='01,RW,10,U,NU'
```

```

ADADBS FNDEF='01,RX,10,U,NU'
ADADBS FNDEF='01,RY,10,U,NU'
ADADBS FNDEF='01,RZ,10,U,NU'
ADADBS FNDEF='01,SA,10,U,NU'
ADADBS FNDEF='01,SB,10,U,NU'
ADADBS FNDEF='01,SC,10,U,NU'
ADADBS FNDEF='01,SD,10,U,NU'
ADADBS FNDEF='01,SE,10,U,NU'
ADADBS FNDEF='01,SF,10,U,NU'
ADADBS FNDEF='01,SG,10,U,NU'
ADADBS FNDEF='01,SH,10,U,NU'
ADADBS FNDEF='01,SI,10,U,NU'
ADADBS FNDEF='01,SJ,10,U,NU'
ADADBS FNDEF='01,SK,10,U,NU'
ADADBS FNDEF='01,SL,10,U,NU'
ADADBS FNDEF='01,SM,10,U,NU'
ADADBS FNDEF='01,SN,10,U,NU'
ADADBS FNDEF='01,SO,10,U,NU'
ADADBS FNDEF='01,SP,10,U,NU'
ADADBS FNDEF='01,SQ,10,U,NU'
ADADBS FNDEF='01,SR,10,U,NU'
ADADBS FNDEF='01,SS,10,U,NU'
ADADBS FNDEF='01,ST,10,U,NU'
ADADBS FNDEF='01,SU,10,U,NU'

```

5.0 INSTALL DATA GLOSSARY

Load the ADABAS file NPS2-DATA-GLOSSARY (file #243, 4242 records) from the dataset MSMOV.NPPS.PROD.R790.R0800.GLS using the following ADABAS ADASAV utility commands.

```

ADASAV RESTORE OVERWRITE
ADASAV FMOVE=243

```

6.0 CATALOG SOURCE CODES

When installing software release 7.9, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

7.0 POST-PREDICT DATA CONVERSION

Not Applicable

8.0 JCL/BJS/Xerox MODIFICATIONS

JCL

NE00371 (Incentive Annual Awards)

This report job stream is being deleted with this release. Delete the following using the BJS system:

Report 371 Record (Report Directory)

NE00371 JCL stream (JCL Directory)

NE00371 Job Record (Job Directory/Default Parameters)

NA00418/NA00020/NA00023 – Report 418 – W-2 Dataset

The W-2 Dataset has increased in length by 42 bytes to accommodate the new FEHB entries. The current LRECL portion of the DCB statement needs to be modified:

OLD - LRECL=452 NEW - LRECL=494

9.0 SPECIAL INSTRUCTIONS

9.1 Update NPPS Release Number

The following processes will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 7.9, enter "07.90" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

10.0 INSTALLATION CHECKLIST

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions